Hey Guys 👋

Here are some Tips for **Python OPPE 1**:

1. *There will be 5 questions in the OPPE, and you have to solve any 4. So, you have ~23 minutes for each question to solve.*

2. *You can give 3 min to read / examine each question, and if you get some intuition how to solve within the first 5 min, then you should start writing code, if it's taking more than 5 mins, skip the current question and go to next.*

3. *Have a pen and paper with you, and break the question into smaller parts, write pseudocode for each part, then start writing code in editor (don't take more than 5 min).*

4. With this, you will end up having 12 minutes to write code. It's enough because you know the logic, and all, you just need to type that's it!

5. *If you got some errors in your code, check the attached image at the end of doc.*

6. *If you forgot how some built-in function works, then do:* **`print(help(func_name))`**

Attribute Error

- Maybe you are calling some method / function of datatype and *mis-typed* the name.
- Example: `str.digit()` give **AttributeError** because we have `str.isdigit()` method not `str.digit()`

Index Error

- You are entering some index in str/list/tuple which is *more than the length* of the datatype.
- Example:

```
s = 'Param'
n = len(s)  # 5
```

`s[5]` gives **IndexError** because we can only access **+ve** indices from `0` till `4 (n-1)` and **-ve** from `-1` till `-5 (-n)`

Type Error

- You are doing operations on 2 different unsupported datatypes.
- Example: `n, n2 = 10, "20"` `print(n+n2)` gives **TypeError**, bcz you cannot add a number with string.

Key Error

- You are accessing some value from the dictionary, with an invalid key, means there's no key present in dictionary.
- Example: `d = {1:'a', 2:'b'}` `print(d[3])` gives **KeyError**, as there's no `3` key present in `d`.

Name Error

- Maybe you have mistyped some variable name somewhere in the code.
- Example:

```
is_palindrome = True
print(is_pallindrome)
```

print statement gives **NameError**, bcz we have mistyped the var name, `is_palindrome`